

ABSTRACT

The invention relates to a method for the production of 1,2-dichloroethane by direct chlorination using chlorine and ethene in which, despite low reaction temperatures during direct chlorination, reaction heat produced is nevertheless used. According to the invention, vaporous 1,2-dichloroethane obtained in the direct chlorination reactor is compressed and the compressed 1,2-dichloroethane is transported to heat exchangers whereby heat is given off by the 1,2-dichloroethane. The invention also relates to a device including a turbocompressor arranged directly after the direct chlorination reactor.